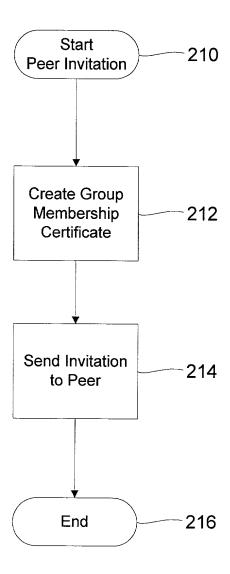


FIG. 3



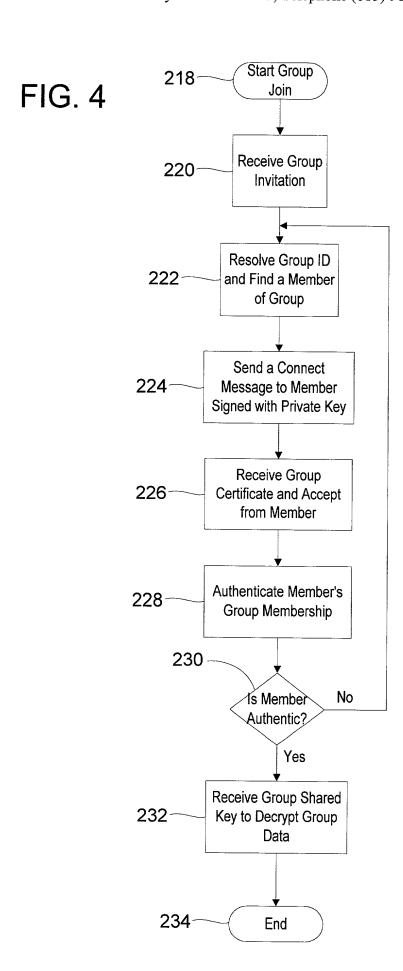


FIG. 5

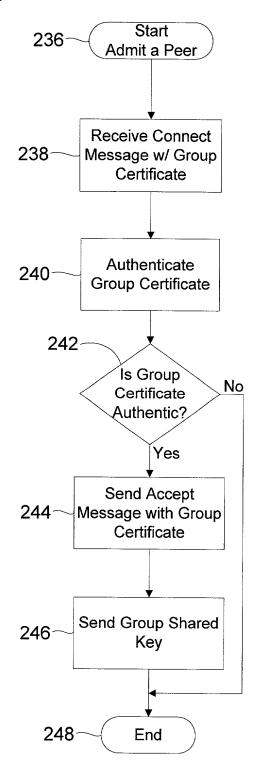


FIG. 6 Start Membership 250 Renewal **Receive Connect** 252 from Member Validate Member 254 Certificate 256 ls No Certicate Valid? Yes 258 ls Yes Certificate in GCRL? No 260-264 Date of Yes Yes Any Revocation Certs In Chain Before Date of in GCRL? Issue? 266 No No

Respond to

Member

268

262

Issue New

Group

Certificate to Member

End